

**AMENDMENTS TO THE SPECIFICATION**

Please amend the specification as follows:

**Please amend paragraph beginning on page 13, line 6 to read as follows:**

A plurality of pellet-shaped C12A7 polycrystal samples prepared through a solid-phase reaction process were subjected to a heat treatment in different hydrogen-containing atmospheres controlled at various temperatures as shown in Case Nos. 1 to [[7]] 8 of Table 1, and cooled to a room temperature at various cooling rates. Each of the heat-treated samples was irradiated with ultraviolet light from a Xe lamp for about 30 seconds, and a resistance between two terminals spaced apart from one another by a distance of 2 mm was measured. Each of the resistance values in Table 1 is an electric resistance at a room temperature after the ultraviolet irradiation. Table 1 also shows the level of sensitivity to ultraviolet light (⊙: high, ○: medium, ×: none). As seen in Table 1, the polycrystal sample has a higher conductance in response to the ultraviolet irradiation as the sample is cooled at a higher cooling rate after subjected to a heat treatment in a hydrogen-containing atmosphere at a temperature of 800°C or more.

**Please amend Table 1 on page 13:**

Table 1

| Case | Atmosphere                           | Heat Treatment | Cooling                     | Resistance                | Sensitivity to Ultraviolet |
|------|--------------------------------------|----------------|-----------------------------|---------------------------|----------------------------|
| 1    | 20%H <sub>2</sub> -80%N <sub>2</sub> | 1300°C × 2h    | slow cooling (200°C/h)      | 10 kΩ                     | ☺                          |
| 2    | 20%H <sub>2</sub> -80%N <sub>2</sub> | 1300°C × 2h    | furnace cooling (~ 600°C/h) | 8 kΩ                      | ☺                          |
| 3    | 20%H <sub>2</sub> -80%N <sub>2</sub> | 1300°C × 2h    | rapid cooling (> 50°C/h)    | 7 kΩ                      | ☺                          |
| 4    | 20%H <sub>2</sub> -80%N <sub>2</sub> | 1100°C × 2h    | furnace cooling (~ 600°C/h) | 13 kΩ                     | ○                          |
| 5    | 20%H <sub>2</sub> -80%N <sub>2</sub> | 800°C × 2h     | furnace cooling (~ 600°C/h) | 10 <sup>10</sup> [[kΩ]] Ω | ×                          |
| 6    | 100%H <sub>2</sub>                   | 1300°C × 2h    | rapid cooling (> 50°C/h)    | 8 kΩ                      | ☺                          |
| 7    | 5%H <sub>2</sub> -95%N <sub>2</sub>  | 1300°C × 2h    | rapid cooling (> 50°C/h)    | 7 kΩ                      | ☺                          |
| 8    | 20%H <sub>2</sub> -80%N <sub>2</sub> | 800°C × 2h     | rapid cooling (> 50°C/h)    | 20 kΩ                     | ○                          |